

A mobile station, a method of transmitting electronic information, and a communications system

ABSTRACT:

The invention relates to a mobile station adapted to be used in a radio communications system, said mobile station including: receiver means adapted to receive blocks of distorted information bits at a first rate from a transmitter via a communications link, and first detecting means adapted to detect information bits from said distorted information bits. The mobile station also includes second detecting means adapted, when the quality of said received blocks of information bits is above a given level, to detect information bits from said distorted information bits using fewer computation resources than said first detecting means.

The invention also relates to a method of transmitting electronic information and to a communications system.

It is a major advantage according to the invention that the use of fewer computation resources - as a result of using less complex detection means (when possible) - enables a mobile station to receive information at a higher data rate. Thereby, a higher data throughput can be achieved for the user.

Figure 2B should be published.

00122T 0549460